

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1.-6. (Cancelled).

7. (Currently Amended) An endoluminal device sized to be deployed within a first lumen comprising a restricted section having an inner surface with an inner diameter and a bifurcation into branch lumens each having an inner surface with an inner diameter, the restricted section inner diameter being smaller than a sum of the branch lumen inner diameters, the device comprising a proximal main tubular portion to be retained within a proximal portion of the first lumen and having a first diameter and two tubular limbs depending from the proximal main tubular portion, each limb having a second diameter and a distal end portion for deployment inside one of the branch lumens against the branch lumen inner surface, the distal end portion defining a third diameter larger than the second diameter, wherein the sum of the two second diameters is sized to be less than the restricted section inner diameter and each tubular limb comprises a trumpet-shaped, concave transition portion having a curved slope extending from the second diameter to the third diameter when viewed in longitudinal section in a non-deployed configuration, the end portion having a defined length comprising the third diameter.

8. (Previously Presented) The endoluminal device of claim 7, wherein the distal end portion is cylindrical.

9. (Previously Presented) The endoluminal device of claim 7, wherein the second diameter is sized to be smaller than the branch lumen inner surface diameter and the third diameter, in an unconfined state, is sized to be larger than the branch lumen inner surface diameter.

10. (Previously Presented) The endoluminal device of claim 7, wherein the device is unitary.

11. (Previously Presented) The endoluminal device of claim 7 wherein the device has a fully expanded configuration and a compressed configuration and the distal end portion third diameter is constrained from reaching the fully expanded configuration by the branch lumen inner surface and the second diameters of the two tubular limbs are sufficiently

small to allow both tubular limbs to be deployed side-by-side in their fully expanded configuration within the first lumen restricted section without being constrained by the restricted section inner surface.

12. (Currently Amended) A method of treating an afflicted portion of a branched lumen, the method comprising the steps of:

identifying a first lumen comprising a restricted section having an inner surface with an inner surface diameter and a bifurcation into branch lumen each having an inner surface with an inner surface diameter, the first lumen restricted section inner surface diameter being smaller than the sum of the branch lumen inner surface diameters,

implanting an endoluminal device in a location in the first lumen, the endoluminal device comprising a proximal main tubular portion having a first diameter and two tubular limbs depending from the main tubular portion, each limb having a second diameter and a distal end portion, the distal end portion having a third diameter larger than the second diameter the location comprising a location in which: (i) said proximal main tubular portion is disposed within a proximal portion of the first lumen; (ii) each of said tubular limbs is disposed inside an associated branch lumen; and (iii) the distal end portion is disposed within one of said branch lumen and restricted from full expansion by the branch lumen inner surface, wherein the second diameters of each of said two tubular limbs are sufficiently small to allow both tubular limbs to be deployed side-by-side in a fully expanded state within the restricted section inner diameter without being constrained by the restricted section inner surface and wherein each tubular limb comprises a trumpet-shaped, concave transition portion extending from the second diameter to the third diameter having a curved slope when viewed in longitudinal section in a non-deployed configuration, the end portion having a defined length comprising the third diameter.

13. (Currently Amended) An endoluminal device sized to be deployed within a first lumen having a restricted section with a diameter and a bifurcation into a plurality of branch lumen each having an inner diameter, the device comprising:

a proximal main tubular portion to be retained within a proximal portion of the first lumen; and

a first and a second tubular limb depending from said proximal main tubular portion;

wherein each of said first and second tubular limbs comprises: (i) an elongated portion for extending across the restricted section and having a first diameter which is sized to be less than one-half of the restricted diameter; (ii) a distal end portion to be located inside an associated branch lumen and to be held against an inner surface of the branch lumen, the distal end portion defining a second diameter larger than the first diameter and sized to be greater than one-half of the restricted diameter, the distal end portion having a defined length comprising the second diameter; and (iii) a trumpet-shaped, concave transition portion extending between the elongated portion and the distal end portion having a curved slope when viewed in longitudinal section in a non-deployed configuration.

14. (Currently Amended) The device of claim 7, wherein ~~the device is adapted to be deployed in a lumen in which the~~ a sum of the branch lumen inner third diameters in a deployed configuration is at least 20% greater than the restricted section inner diameter a sum of the second diameters in a deployed configuration.

15. (Previously Presented) The method of claim 12, wherein the step of identifying the first lumen comprises identifying a lumen in which the sum of the branch lumen inner surface diameters is 20% greater than the restricted section inner surface diameter.

16. (Currently Amended) The device of claim 13, wherein ~~the device is sized to be deployed within a lumen having a sum of the~~ second plurality of branch lumen inner diameters in a deployed configuration is at least 20% greater than the restricted diameter a sum of the first diameters in a deployed configuration.